

Product datasheet for **KN208947RB**

beta Catenin (CTNNB1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	beta Catenin
Locus ID:	1499
Components:	<p>KN208947G1, beta Catenin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN208947G2, beta Catenin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN208947RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_001098209 , NM_001098210 , NM_001904 , NM_001330729
UniProt ID:	P35222
Synonyms:	armadillo; CTNNB; MRD19
Summary:	<p>The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2016]</p>



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Product images:

